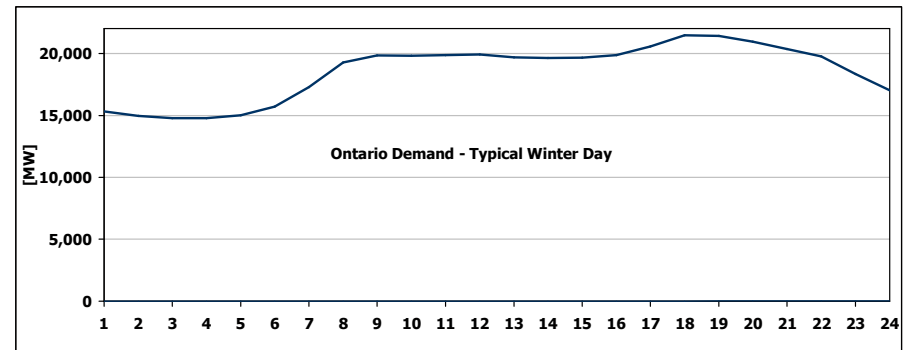
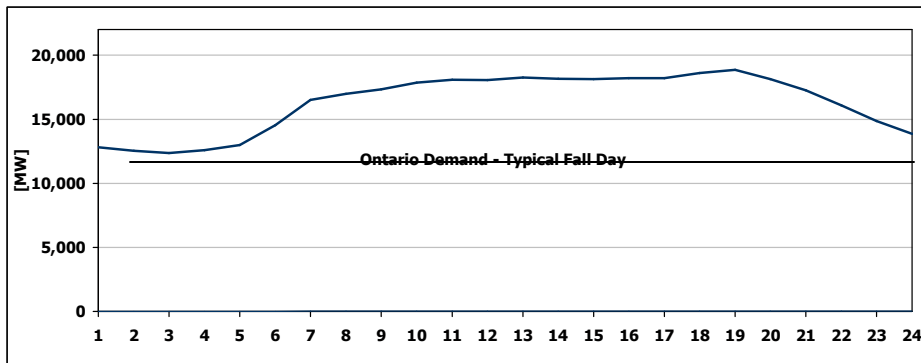
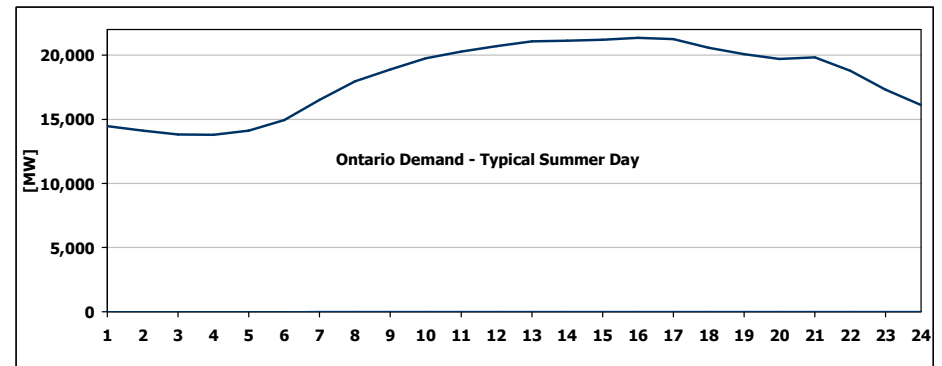
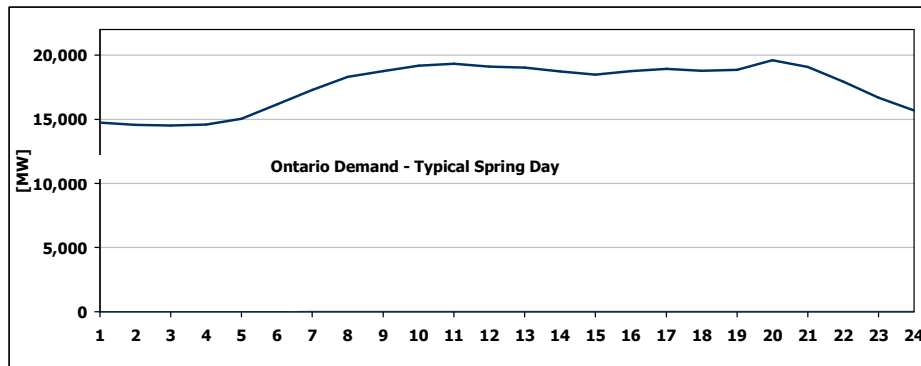


Surplus Baseload Generation

FASC Meeting – April 16, 2008





- Baseload Power Generators
 - Nuclear
 - Coal (if required for ramping capability later)
 - Cogeneration
 - Some hydro
- Peaking Power Generators
 - Coal
 - Gas/Oil
 - Hydro

- Surplus occurs when the desired generation level is greater than the demand, considering imports and exports
- Desired level depends on generator and/or IESO
- Price influences desired level
- Ramping requirements impact desired level

Date	Hour	HOEP	Ontario Demand
03-Sep-06	5	-3.10	12,288
19-Dec-06	4	-0.18	14,749
26-Dec-06	2	-1.65	12,721
26-Dec-06	3	-1.66	12,388
18-Sep-07	1	-0.40	13,315
18-Feb-08	2	-1.91	14,580
18-Feb-08	3	-2.72	14,387
18-Feb-08	4	-1.39	14,340
18-Feb-08	5	-0.65	14,478

- how to identify the quantity of resources that may be desired to be on-line at times of low demand.
- Would or could nuclear generation be manoeuvred?,
- would or could hydro spill?,
 - has hydro spilled in history since market open, in any zone of Ontario?
- Are there specific zones that we should focus on or be concerned about?
- Give Outlook readers an appreciation for the complexity and uncertainty in any surplus forecast amount.
- refine our prototype to come up with a surplus forecast
- Importance of reporting relative to the concerns regarding the magnitude of surplus quantities.